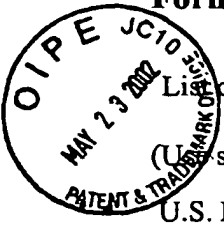

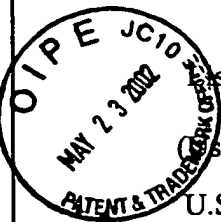

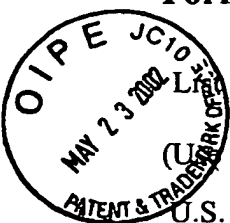


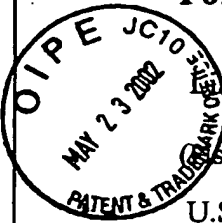


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		Applicant <b>Stanley T. Crooke</b>	
		Filing Date <b>February 20, 2002</b>	Group <b>1635</b>
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* M	AC	Oligonucleotide and Analogs, A Practical Approach, F. Eckstein, Ed., IRL Press, 1991, Chapters 1-7	
M	AD	Beaucage S. et al., "Advances in the synthesis of oligonucleotides by the phosphoramidite approach", <i>Tetrahedron Letters</i> , 1992, 48, 2223-2311	
A	AE	Beaucage S. et al., "The synthesis of modified oligonucleotides by the phosphoramidite approach and their applications", <i>Tetrahedron</i> , 1993, 49, 6123-6194	
2	AF	Bhat et al., "A Simple and Convenient Method for the Selective N-Acylation of Cytosine Nucleosides", <i>Nucleosides and Nucleotides</i> , 1989, 8, 179-183	
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	<b>AO</b>	Haeuptle et al., "Translation arrest by oligonucleotides complementary to mRNA coding sequences yields polypeptides of predetermined length", <i>Nucleic Acids Res.</i> , 1986, 14, 1427-1448	
	<b>AP</b>	Eder, P.S. et al., "Ribonuclease H from K562 Human Erythroleukemia Cells", <i>J. Biol. Chem.</i> , 1991, 266, 6472-6479	
	<b>AQ</b>	Goodchild et al., "Conjugates of Oligonucleotides and Modified Oligonucleotides: A Review of their Synthesis and Properties", <i>Bioconjugate Chem.</i> , 1990, 1(3), 165-187	
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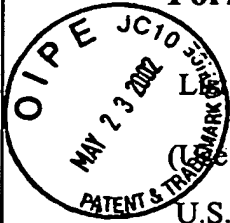
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	<b>BC</b>	Sands et al., "Biodistribution and Metabolism of Internally <sup>3</sup> H-Labeled Oligonucleotides. II. 3',5'-Blocked Oligonucleotides", <i>Am. Soc. Pharmacol. Exp. Ther.</i> , <b>1995</b> , 47, 636-646	
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	<b>BJ</b>	Agrawal, S. et al., "Synthesis and Anti-HIV Activity of Oligoribonucleotides and Their Phosphorothioate Analogs," <i>Ann. N.Y. Acad. Sci.</i> , 1992, 2-10	
	<b>BK</b>	Agrawal, S., "Antisense Oligonucleotides: Towards Clinical Trials," <i>TIBTECH</i> , 1996, 14, 376-388	
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	<b>BQ</b>	Branch, A., "A Good Antisense is Hard to Find," <i>TIBS</i> , 1998, 23, 45-50	
	<b>BR</b>	Bunemann et al., "Immobilization of denatured DNA to macroporous supports: I. Efficiency of different coupling procedures", <i>Nucl. Acids Res.</i> , 1982, 10, 7163-7180	
	<b>BS</b>	Bunemann, H., "Immobilization of denatured DNA to macroporous supports: II. Steric and kinetic parameters of heterogeneous hybridization reactions", <i>Nucleic Acids Res.</i> , 1982, 10, 7181-7196	
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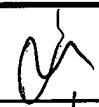

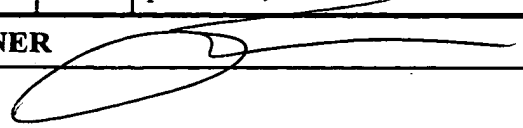
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	BV	Dake et al., "Purification and Properties of the Major Nuclease from Mitochondria of <i>Saccharomyces cerevisiae</i> ", <i>J. Biol. Chem.</i> , 1988, 263, 7691-7702	
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	BX	Drmanac et al., "DNA Sequence Determination by Hybridization: A Strategy for Efficient Large-Scale Sequencing", <i>Science</i> , 1993, 260, 1649-1652	
	BY	Duncan et al., "Affinity Chromatography of a Sequence-Specific DNA Binding Protein Using Teflon-Linked Oligonucleotides", <i>Anal. Biochem.</i> , 1988, 169, 104-108	
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V	CC	Fishel et al., "Z-DNA Affinity Chromatography", <i>Methods Enzymol.</i> , 1990, 184, 328-342	
	CD	Fodor et al., "Light-Directed, Spatially Addressable Parallel Chemical Synthesis", <i>Science</i> , 1991, 251, 767-773	
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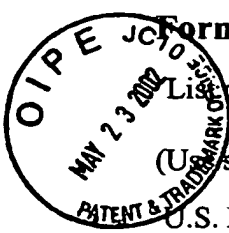
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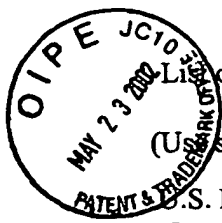
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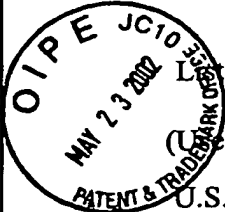
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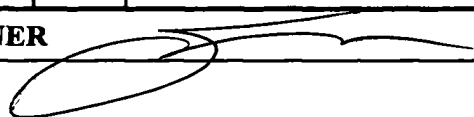
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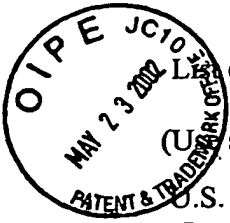
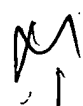

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	DG	Narhi et al., "Hydrophobic Interaction Chromatography in Alkaline pH", <i>Anal. Biochem.</i> , <b>1989</b> , <i>182</i> , 266-270	
	DH	Nellen, W.C., "What makes an mRNA anti-sense-itive?", <i>Curr. Opin. Cell. Biol.</i> , <b>1993</b> , <i>18</i> , 419-424	
	DI	Nellen, W. et al., "Mechanisms of gene regulation by endogenous and artificially introduced antisense RNA", <i>Biochem., Soc. Trans.</i> , <b>1992</b> , <i>20</i> , 750-754	
	DJ	Nitta et al., "Purification and Some Properties of Ribonuclease from <i>Xenopus laevis</i> Eggs", <i>Biol. Pharm. Bull. (Jpn.)</i> , <b>1993</b> , <i>16</i> , 353-356	
	DK	Noguchi et al., "Characterization of an Antisense Inr Element in the eIF-2 $\alpha$ Gene", <i>J. Biol. Chem.</i> , <b>1994</b> , <i>269</i> , 29161-29167	
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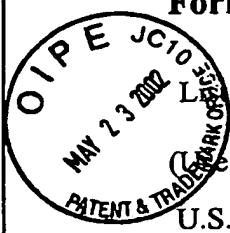


<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. <b>ISIS-5027</b>	Serial No. <b>10/078,949</b>
		Applicant <b>Stanley T. Crooke</b>	
		Filing Date <b>February 20, 2002</b>	Group <b>1635</b>
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
M	DL	Noyes et al., "Nucleic Acid Hybridization Using DNA Covalently Coupled to Cellulose", <i>Cell</i> , 1975, 5, 301-310	
	DM	Ohtsuki, et al., "Isolation and purification of double-stranded ribonuclease from calf thymus", <i>J. Biol. Chem.</i> , 1977, 252, 483-491	
	DN	Pease et al., "Light-generated oligonucleotide arrays for rapid DNA sequence analysis", <i>Proc. Natl. Acad. Sci. USA</i> , 1994, 91, 5022-5026	
	DO	Pon et al., "Derivatization of Controlled Pore Glass Beads for Solid Phase Oligonucleotide Synthesis", <i>BioTech.</i> , 1988, 6, 768-773	
	DP	Prokipcak et al., "Purification and Properties of a Protein that Binds to the C-terminal Coding Region of Human c-myc mRNA", <i>J. Biol. Chem.</i> , 1994, 269, 9268-9270	
	DQ	Saito, H. et al., "Processing of mRNA by Ribonuclease III Regulates Expression of Gene 1.2 of Bacteriophage T7", 1981, <i>Cell</i> , 27, 533-542	
	DR	Schott, "Template-Chromatographie An Stationar Gebundenen Oligonukleotiden", <i>J. Chromatogr.</i> , 1975, 115, 461-476	
	DS	Seliger, H., "Handelsubliche Polymere als Trager in der Oligonucleotidsynthese, 1", <i>Die Makromolekulart Chemie</i> , 1975, 176, 1611-1627	
	DT	Seliger, H. et al., "Trager-Oigonucleotidsynthese an unvernetzten Copolymeren aus Vinylalkohol und N-Vinylpyrrolidon", <i>Die Makromolekulare Chemie</i> , 1975, 176, 609-627	
	DU	Seliger, H. et al., "Oligonucleotide Synthesis on a Polymer Support Soluble in Water and Pyridine", <i>Tetrahedron Letters</i> , 1973, No. 31, 2911-2914	
V	DV	Shibahara, S. et al., "Inhibition of human immunodeficiency virus (HIV-1) replication by synthetic oligo-RNA derivatives," <i>Nucl. Acids Res.</i> , 1989, 17(1), 239-252	
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M	DW	Siddell, S.G., "RNA Hybridization to DNA Coupled with Cyanogen-Bromide-Activated Sephadex", <i>Eur. J. Biochem.</i> , 1978, 92, 621-629	
	DX	Smith et al., "The synthesis of oligonucleotides containing an aliphatic amino group at the 5' terminus: synthesis of fluorescent DNA primers for use in DNA sequence analysis", <i>Nucl. Acids Res.</i> , 1985, 13, 2399-2412	
	DY	Stoldt, P. et al., "Antisense RNA mediates transcriptional processing in an archaeobacterium, indicating a novel kind of RNase activity", <i>Mol. Microbiol.</i> , 1993, 7, 875-882	
	DZ	Syvanen et al., "Quantification of polymerase chain reaction products by affinity-based hybrid collection", <i>Nucl. Acids Res.</i> , 1988, 16, 11327-11338	
	EA	Szyf et al., "Growth Regulation of Mouse DNA Methyltransferase Gene Expression", <i>J. Biol. Chem.</i> , 1991, 266, 10027-10030	
	EB	McBride, L.J. et al., "An Investigation of Several Deoxynucleoside Phosphoramidites Useful for Synthesizing Deoxyoligonucleotides", <i>Tetrahedron Letters</i> , 1983, 24, 245-248	
	EC	Van Ness et al., "A versatile solid support system for oligodeoxynucleotide probe-based hybridization assays", <i>Nucleic Acids Research</i> , 1991, 19, 3345-3350	
	ED	Volk et al., "An antisense transcript from the <i>Xenopus laevis</i> bFGF gene coding for an evolutionarily conserved 24 kd protein", <i>EMBO J.</i> , 1989, 8, 2983-2988	
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V	EF	Wu et al., "Purification and Properties of <i>Drosophila</i> Heat Shock Activator Protein", <i>Science</i> , 1987, 238, 1247-1253	
	EG	Wu et al., "High Resolution Separation and Analysis of Biological Macromolecules", <i>Methods in Enzymology</i> , 1996, 270, 27-47	
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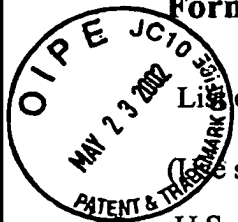
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	<b>EH</b>	Yashima et al., "High-performance affinity chromatography of oligonucleotides on nucleic acid analogue immobilized silica gel columns", <i>J. Chromatog.</i> , <b>1992</b> , 603, 111-119	
	<b>EI</b>	Yasuda et al., "Purification and characterization of a ribonuclease from human spleen", <i>Eur. J. Biochem.</i> , <b>1990</b> , 191, 523-529	
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	<b>EK</b>	Zuckermann et al., "Efficient methods for attachment of thiol specific probes to the 3'-ends of synthetic oligodeoxyribonucleotides", <i>Nucleic Acids Research</i> , <b>1987</b> , 15, 5305-5321	
	<b>EL</b>	Arya, S. K. et al., "Inhibition of RNA Directed DNA Polymerase of Murine Leukemia Virus by 2'-O-Alkylated Polyadenylic Acids," <i>Biochem Biophys Res Commun</i> , <b>1974</b> , 59(2), 608-615	
	<b>EM</b>	Arya, S. K. et al., "Inhibition of Synthesis of Murine Leukemia Virus in Cultured Cells by Polyribonucleotides and Their 2'-O-Alkyl Derivatives," <i>Molecular Pharmacology</i> , <b>1976</b> , 12, 234-241	
	<b>EN</b>	DeClercq, E. et al., "Influence of various 2- and 2'-substituted polyadenyl acids on murine leukemia virus reverse transcriptase," <i>Cancer Letters</i> , <b>1979</b> , 7, 27-37	
	<b>EO</b>	Hobbs, J. et al., "Polynucleotides Containing 2'-Amino 2'-deoxyribose and 2'-Azido-2'-deoxyribose," <i>Biochem.</i> , <b>1973</b> , 12, 5138-5145	
	<b>EP</b>	Hobbs, J. et al., "Poly 2'-Deoxy-2'-Aminouridylic Acid," <i>Biochem Biophys Res Commun</i> <b>1972</b> , 46(4), 1509-1515	
	<b>EQ</b>	Hobbs, J. et al., "Polynucleotides Containing 2'-Chloro-2'-deoxyribose," <i>Biochem.</i> , Eckstein et al., Ed., <b>1972</b> , 11, 4336-4344	
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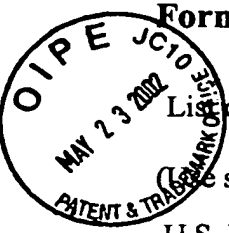
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M	ER	Pieken, W. et al., "Kinetic Characterization of Ribonuclease-Resistant 2'-Modified Hammerhead Ribozymes," <i>Science</i> , 1991, 253, 314-317	
	ES	Pilet, J. et al., "Structural parameters of single and double helical polyribonucleotides," <i>Biochem Biophys Res Commun</i> , 1973, 52(2), 517-523	
	ET	Rottman, F. et al., "Polynucleotides Containing 2'-O-Methyladenosine. I. Synthesis by Polynucleotide Phosphorylase," <i>Biochem</i> , 1968, 7, 2634-2641	
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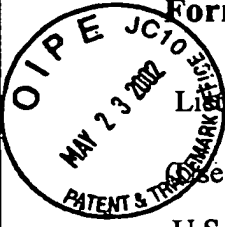
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<b>U. S. PATENT DOCUMENTS</b>						
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<i>h</i>	EX	3,687,808	08/29/72	Merigan et. al.	195	28
	EY	5,013,830	05/07/91	Ohtsuka et al.	536	27
	EZ	5,023,243	06/11/91	Tullis	514	
	FA	5,142,047	08/25/92	Tullis	514	
	FB	5,149,797	09/22/92	Pederson et al.	536	
	FC	5,177,198	01/05/93	Spielvogel et al.	514	
	FD	5,130,302	07/14/92	Spielvogel et al.	514	
	FE	5,223,618	06/29/93	Cook et al.	544	
	FF	5,235,033	08/10/93	Summerton et al.	528	
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<i>M</i>	FG	WO 92/22651	12/23/92	PCT	XX	
	FH	WO 92/20822	11/26/92	PCT	XX	
	FI	WO 92/20823	11/26/92	PCT	XX	
	FJ	WO 94/17093	08/04/94	PCT	XX	
	FK	WO 94/02499	02/03/94	PCT	XX	
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M	FL	5,256,775	10/26/93	Froehler	536	25.6
	FM	5,264,562	11/23/93	Matteucci	536	23.1
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	FO	5,359,044	10/25/94	Cook et al.	536	23.1
	FP	5,366,878	11/22/94	Pederson et al.	435	91.3
	FQ	5,378,825	01/03/95	Cook et al.	536	25.34
	FR	5,459,255	10/17/95	Cook et al.	536	27.13
	FS	5,457,191	10/10/95	Cook et al.	536	27.13
	FT	5,466,786	11/14/95	Buhr et al.	536	26.26
	FU	5,476,925	12/19/95	Letsinger et al.	536	23.1
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	FX	2-264792	10/29/90	Japan		XX
	FY	WO 92/07065	04/30/92	PCT	XX	
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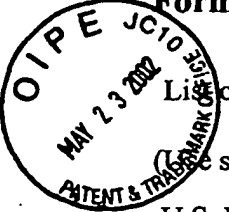
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<i>[initials]</i>	FZ	5,484,908	01/16/96	Froehler et al.	536	24.31
<i>[initials]</i>	GA	5,506,351	04/09/96	McGee	536	55.3
<i>[initials]</i>	GB	5,514,786	05/07/96	Cook et al.		
<i>[initials]</i>	GC	5,386,023	01/31/95	Sanghvi et al.	536	25.3
<i>[initials]</i>	GD	5,489,677	02/06/96	Sanghvi et al.	536	22
<i>[initials]</i>	GE	5,539,083	07/23/96	Cook et al.	530	33
<i>[initials]</i>	GF	5,506,337	04/09/96	Summerton et al.	528	39
<i>[initials]</i>	GG	5,403,711	04/04/95	Walder et al.	435	6
<i>[initials]</i>	GH	5,508,270	04/16/96	Baxter et al.	514	4

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	GJ	4,401,796	08/30/83	Itakura	525	340	
	GK	4,469,863	09/04/84	Ts'o et al.	536	27	
	GL	4,507,433	03/26/85	Miller et al.	525	54.11	
	GM	4,812,512	03/14/89	Buendia et al.	525	54.11	
	GN	4,908,405	03/13/90	Bayer et al.	525	51	
	GO	5,391,667	02/21/95	Dellinger	526	264	
	GP	5,519,134	05/21/96	Acevedo et al.	544	243	
	GQ	5,614,617	03/25/97	Cook et al.	536	23.1	
	GR	5,962,425	10/05/99	Walder et al.	514	44	
	GS	5,804,683	09/08/98	Usman et al.	536	25.31	
	GT	5,891,683	04/06/99	Usman et al.	435	91.31	
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